

B7-2/CD86 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P7635
Synonyms:	rMuB7-2, C-Fc; T-lymphocyte activation antigen CD86; Early T-cell costimulatory molecule 1; ETC-1; CD86
Species:	Mouse
Source:	HEK293
Accession:	P42082 (V26-E245)
Gene ID:	12524
Molecular Weight:	65-110 kDa

PROPERTIES

AA Sequence	<pre> V E T Q A Y F N G T A Y L P C P F T K A Q N I S L S E L V V F W Q D Q Q K L V L Y E H Y L G T E K L D S V N A K Y L G R T S F D R N N W T L R L H N V Q I K D M G S Y D C F I Q K K P P T G S I I L Q Q T L T E L S V I A N F S E P E I K L A Q N V T G N S G I N L T C T S K Q G H P K P K K M Y F L I T N S T N E Y G D N M Q I S Q D N V T E L F S I S N S L S L S F P D G V W H M T V V C V L E T E S M K I S S K P L N F T Q E - F c t a g </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The inhibition of CD28 interactions with B7-2 molecules may represent a novel therapeutic target for the treatment of lung mucosal allergic inflammation. B7-2, but not B7-1, is upregulated on lung B cells after allergen provocation ^{[1][2]} .
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REFERENCES

[1]. K S Hathcock, et al. Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function. J Exp Med. 1994 Aug 1;180(2):631-40.

[2]. S Tsuyuki, et al. Costimulation through B7-2 (CD86) is required for the induction of a lung mucosal T helper cell 2 (TH2) immune response and altered airway responsiveness. J Exp Med. 1997 May 5;185(9):1671-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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